U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
Solberg Enterprises Haegele Drum Site - Removal Polrep
Final Removal Polrep

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region V

Subject: **POLREP #3**
Final Situation Report
Solberg Enterprises Haegele Drum Site
C55H
Clearwater, MN
Latitude: 45.3971600 Longitude: -94.0715610

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From: David Morrison, OSC
Date: 1/15/2018
Reporting Period: 10/15/2016 - 05/10/2017

1. Introduction

1.1 Background

Site Number:	C55H	**Contract Number:**	EP-S4-16-02
D.O. Number:	0008	**Action Memo Date:**	7/1/2016
Response Authority:	CERCLA	**Response Type:**	Time-Critical
Response Lead:	EPA	**Incident Category:**	Removal Action
NPL Status:	Non NPL	**Operable Unit:**	
Mobilization Date:	9/30/2016	**Start Date:**	10/3/2016
Demob Date:	5/11/2017	**Completion Date:**	5/10/2017
CERCLIS ID:	MND985685429	**RCRIS ID:**	
ERNS No.:		**State Notification:**	MND985685429
FPN#:		**Reimbursable Account #:**	

1.1.1 Incident Category
Time Critical Removal Action

1.1.2 Site Description

The Solberg Drum Site was a former tank scrapping business and "home-brewed" tar operation . There were approximately 370 deteriorating drums, former USTs, and numerous smaller containers stored outside containing hazardous wastes, including tank bottom sludge, waste oil, and other flammable liquids.

1.1.2.1 Location

The Solberg-Haegele property is located at 2004 Daisy Circle, Clearwater, Stearns County, Minnesota, 55320. The 6.4 acre property is part of a subdivision of residential homes and borders six other parcels. The Clearwater River is located approximately 160 feet southeast of the Site.

1.1.2.2 Description of Threat
EPA has documented a release of hazardous substances, pollutants, or contaminants at the Site. Many of the containers on the Site are in poor condition and leaking. Some of the drums at the North end of the Site were leaking a black, viscous fluid. Similar fluid was observed to be leaking from a number of containers and steel tanks. In addition, there was a tank that was cut in half on a trailer bed in the center of the Site that was filled with tar. The majority of the drums are not fit for shipment.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

A removal assessment was conducted on July 22, 2015. EPA documented abandoned drums, tanks and containers with ignitable, organic and inorganic hazardous waste at the Site. The drums were in a deteriorated condition and leaking. There are also areas of tar-like material spilled or discharged on the ground and a burn pile. Hazardous materials and pollutants and contaminants include; lead, thallium, antimony, manganese, arsenic, PCE, benzo(a)anthracene, benzo(a)pyrene, dibenzo(a,h)anthracene, benzene, and ignitable wastes.

2. Current Activities

2.1 Operations Section

2.1.1 Response Actions to Date
October 3, 2016 - October 14,2016

The EPA mobilized contractors to evaluate and remove the abandoned wastes, The following actions occurred during this reporting period:

- 370 drums of waste material, many in crumbling and leaking condition, were unstacked or overpacked and staged for sampling.

- hundreds of pails of unknown tar-like material were staged for sampling.

- operations for sampling were switched to level B, supplied airlines, and approximately 20 drums were opened and sampled by the end of the week.

-Continuous air monitoring is being conducted with assistance from the U.S. Coast Guard, Atlantic Strike Team and START to ensure worker safety and community/neighbor protection. Significant vapors from volatile materials are being found at the drums. No air emissions have made it off of the site.

October 15, 2016 to May 10, 2017

During this final operational period, EPA actions included but were not limited to the following work activities:

- EPA contractors completed staging and opening drums on the site in Level B PPE. This was followed by sample collection for hazard categorization and analytical sampling for waste stream characterization.
- USCG AST members, and EPA START contractor conducted air monitoring for volatile and flammable contaminants and toxic particulates to ensure worker safety and perimeter monitoring to ensure neighborhood protection.
- Contractors unstacked and staged over 400 pails and orphan containers on the site. Each container was opened, evaluated and sampled for waste profiling.
- Hazardous liquids were pumped off of drums, bulked, and sent for fuel re-blending.
- Solidified hazardous sludge wastes were removed from 131 non-shippable deteriorating drums. This material was loaded into lined dumpsters for thermal treatment.
- Contractors emptied and cleaned half-cut tanks of tar wastes throughout the site.
- There were also several areas on site where tar-like material had been dumped or buried and was resurfacing. EPA and its contractor conducted soil pit investigations and soil scraping cleanup and removed contaminated soils from the site.
- Overpacked 103 deteriorating drums of hazardous solids and shipped to a hazardous waste facility for incineration.
- Purged, cut, and cleaned flammable sludge from steel storage tanks that were located on cement pads and on top of the ground on the site.
- Transported and disposed of all remaining identified hazardous substances, pollutants, and contaminants to a CERCLA approved disposal facility in accordance with U.S. EPA's Off-Site Rule.
- Cut-up steel tanks and half-tanks and shipped cleaned steel for recycling.
- Informed local officials (Fire Department, Sheriff's Office, City of Clearwater, and Lynden Township) on status of removal actions.
- Conducted post cleanup soil sampling at areas of former drum or pail storage and submitted the results to the MPCA for state remedial program evaluation.

2.1.3 Enforcement Activities, Identity of Potentially Responsible Parties (PRPs)

EPA enforcement team is deciding on final actions for this site.

2.1.4 Progress Metrics

Waste Name	Waste Code/Type	Waste Volume	Waste Tracking Number	Treatment or Recycled	Disposal
Hazardous Solids	D008, D018	30 Cy, 11.53 tons	O15968217	Incineration	Heritage-WTI 1250 St. George Street, East Liverpool, OH 43920
Hazardous Solids	D008, D018	30 Cy, 12.92 tons	O15968216	Incineration	Heritage-WTI 1250 St. George Street, East Liverpool, OH 43920
RCRA empties	N/A	5.76 T	429690	N/A	Spruce Ridge Industrial Landfill 12755 137th Ave, Glencoe, MN 55336
RCRA empties	N/A	12.46 T	430807	N/A	Spruce Ridge Industrial Landfill 12755 137th Ave, Glencoe, MN 55336

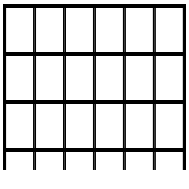
Flammable Liquids	D001, D008, D018	(4) 275-gal totes	O17026539	Recycled	Systeck Environmental 2701 N 145th E Ave, Tulsa, OK 74116
Flammable Liquids	D001, D008, D018	(2) 275-gal totes	O17026538	Recycled	Systeck Environmental 2701 N 145th E Ave, Tulsa, OK 74116
Hazardous Solids	D008, D018	53 Dr- Overpack (21 tons)	O15886185	Incineration	Ross Incineration Services 36790 Giles Road, Grafton, OH 44044
Hazardous Solids	D008, D018	50 Dr- Overpack (19.8 tons)	O15886183	Incineration	Ross Incineration Services 36790 Giles Road, Grafton, OH 44044
Solidified HW Sludge	D008, D018	1 dumpster, 22.6 tons	O15968213	Incineration	Heritage-WTI 1250 St. George Street, East Liverpool, OH 43920
Solidified HW Sludge	D008, D018	1 dumpster, 26.83 tons	O15968214	Incineration	Heritage-WTI 1250 St. George Street, East Liverpool, OH 43920
Solidified HW Sludge	D008, D018	1 dumpster, 27.38 tons	O15968215	Incineration	Heritage-WTI 1250 St. George Street, East Liverpool, OH 43920
Non Haz solids	Contaminated Soils	1 DT, 13.05 tons	SD012	N/A	Spruce Ridge Industrial Landfill 12755 137th Ave, Glencoe, MN 55336
Non Haz solids	Contaminated Soils	6 DTs, 145.39 tons	SD001-SD006	N/A	Spruce Ridge Industrial Landfill 12755 137th Ave, Glencoe, MN 55336
Non Haz solids	Contaminated Soils	6 DTs, 124.30 tons	SD007-SD011	N/A	Spruce Ridge Industrial Landfill 12755 137th Ave, Glencoe, MN 55336
Tar & Debris	Semi-solid Tar	27 Drums, 12.15 tons	439209	N/A	Spruce Ridge Industrial Landfill 12755 137th Ave, Glencoe, MN 55336
Tar & Debris	Semi-solid Tar	(100's) 5-gal Pails	29889	N/A	Spruce Ridge Industrial Landfill 12755 137th Ave, Glencoe, MN 55336
Tar & Debris	Semi-solid Tar	23 Drums, 8.53 tons	439646	N/A	Spruce Ridge Industrial Landfill 12755 137th Ave, Glencoe, MN 55336
Tar & Debris	Semi-solid Tar	26 Drums, 15.06 tons	439270	N/A	Spruce Ridge Industrial Landfill 12755 137th Ave, Glencoe, MN 55336
Tar & Debris	Semi-solid Tar	27 Drums	29885	N/A	Spruce Ridge Industrial Landfill 12755 137th Ave,

					Glencoe, MN 55336
Tar & Debris	Semi-solid Tar	27 Drums	29969	N/A	Spruce Ridge Industrial Landfill 12755 137th Ave, Glencoe, MN 55336
Tar & Debris	Semi-solid Tar	6 drums+(100's) Pails, 16.04 tons	439346	N/A	Spruce Ridge Industrial Landfill 12755 137th Ave, Glencoe, MN 55336
Non Haz solids	Waste Materials	18.86	437038	N/A	Spruce Ridge Industrial Landfill 12755 137th Ave, Glencoe, MN 55336
Scrap Metal	N/A	21.5 Tons	N/A	Recycled	Midway Iron and Metal, Inc. 648 NE Lincoln Ave. St. Cloud, MN 56304

Regional Metrics		
This is an Integrated River Assessment. The numbers should overlap.	Miles of river systems cleaned and/or restored	NA
	Cubic yards of contaminated sediments removed and/or capped	NA
	Gallons of oil/water recovered	NA
	Acres of soil/sediment cleaned up in floodplains and riverbanks	0.5
Stand Alone Assessment	Number of contaminated residential yards cleaned up	1
	Number of workers on site	5
Contaminant(s) of Concern	Benzene, Lead, Flammable liquids,Tar	
Oil Response Tracking		
Estimated volume	Initial amount released	
	Final amount collected	
CANAPS Info	FPN Ceiling Amount	
	FPN Number	
	Body of Water affected	

Administrative and Logistical Factors (Place X where applicable)			
	Precedent-Setting HQ Consultations (e.g., fracking, asbestos)	Community challenges or high involvement	Radiological
	More than one PRP	Endangered Species Act / Essential Fish Habitat issues	Explosives
	AOC	Historic preservation issues	Residential impacts
	UAO	NPL site	Relocation
	DOJ involved	Remote location	Drinking water impacted
	Criminal Charges Have Been Filed*	Extreme weather or abnormal field season	Environmental justice
	Tribal consultation or coordination or other issues	Congressional involvement	High media interest
	Statutory Exemption for $2 Million	Statutory Exemption for 1 Year	Active fire present
X	Hazmat Entry Conducted – Level A, B or C	Incident or Unified Command established	Actual air release (not threatened)

Green Metrics		
Metric	**Amount**	**Units**
Diesel Fuel Used	686	gallons
Unleaded Fuel Used	1689	gallons
Alternative/E-85 Fuel Used	N/A	gallons
Electricity from electric company	4,690	kWh
Electric Company Name and Account #	Stearns County Electric Association,29643 Frontage Rd, St Joseph, MN 56374	Acct. No. *Confidential,PII*
Electricity from sources other than the electric company	N/A	kWh
Solid waste recycled (Scrap metal)	21.5	Tons
Solid waste recycled (Plastic/Aluminum/Cardboard)	80	Lbs.
Water Used	N/A	gallons



2.2 Planning Section

2.2.1 Planned Response Activities

Post-Cleanup soil Sampling Results were submitted to the State of MN (MPCA) for remedial evaluation, if warranted..

2.2.2 Issues

None noted during this operational period.

Check if planning to use	Check if Not - Applicable	If neither box is checked explain why SBMP will not be used	Standard Best Management Practice (SBMP)
X			Installation of Electric Service, minimize use of gas-diesel powered generators.
X			To the extent possible, use Energy Star appliances.
X			Use programmable thermostats to minimize energy use.
	X		To the extent feasible, use compact fluorescent lighting (CFL) or LED lighting in all on-site equipment and properly recycle CFLs or LEDs.
X			Prepare, store, and distribute documents electronically. Utilize reusable electronic storage media or the Cloud
	X		Use biodegradable cleaning products.
X			Use paper with recycled content and use double-sided printing option when document must be printed.
X			Use local staff (including subcontractors) when possible to minimize resource consumption.
X			Utilize Environmentally Preferred Vendors/Green Procurement
X			Purchase equipment and materials locally when available.
X			Purchase materials in bulk quantities and packed in reusable/recyclable containers to reduce packaging waste.
	X		Purchase liquids in concentrated form to reduce shipping volumes and frequencies.
	X		Develop a construction waste management plan that establishes a diversion goal, specifies processes for identifying and segregating contaminated and uncontaminated waste, state show/where waste will be reused and/or recycled and safely managed and tracked.
	X		Survey on-site buildings and infrastructure to determine material types and approximate quantities that could be reused or recycled and evaluate opportunities for on-site or local re-use and/or recycling.
	X		Reuse monitoring wells throughout investigations, remediation, and long-term monitoring.
	X		Reuse dedicated materials when performing multiple rounds of sampling of all matrices.
X			Revegetate excavated areas and/or areas disrupted by equipment or vehicles as quickly as possible, using native vegetation if possible. Restore as close as possible to original conditions.
	X		Include specific focus on green elements at meetings with all parties including clients, stakeholders, regulatory agencies, and consultants. Update project team if goals & responsibilities change.
X			Integrate schedules to allow for resource sharing and fewer days of field mobilization.
X			If possible, conduct work during appropriate seasons to reduce weather delays and additional heating/cooling demands.
X			Utilize teleconferences rather than face to face meetings when feasible.
X			Maintain vehicles on a regular basis such as tune-ups and proper tire inflation. Use green vehicle maintenance products such as biodegradable lubricants.
	X		Construct and maintain engineering controls such as earth dikes and swales to prevent upgradient surface flow into excavated areas.

X			To the extent possible, plan for and segregate hazardous waste and non-hazardous waste.
X			Consider local recycling program, requirements and regulations, and incorporate them into Site activities whenever possible.
X			Recycle all non-usable/spent equipment/materials following completion of project.

2.3 Logistics Section

Site Demobilization efforts completed. Temporary electrical service line capped and left in-place and land owners request.

2.4 Finance Section

2.4.1 Narrative

Environmental Restoration is the ERRS contractor.

Tetra Tech is the START contractor.

U.S. Coast Guard NSF is providing assistance through an IAG/Work Authorization.

Estimated Costs *

	Budgeted	Total To Date	Remaining	% Remaining
Extramural Costs				
ERRS - Cleanup Contractor	$550,000.00	$514,484.35	$35,515.65	6.46%
IAGs	$30,000.00	$26,252.36	$3,747.64	12.49%
TAT/START	$88,400.00	$88,000.00	$400.00	0.45%
Intramural Costs				
Total Site Costs	$668,400.00	$628,736.71	$39,663.29	5.93%

* The above accounting of expenditures is an estimate based on figures known to the OSC at the time this report was written. The OSC does not necessarily receive specific figures on final payments made to any contractor(s). Other financial data which the OSC must rely upon may not be entirely up-to-date. The cost accounting provided in this report does not necessarily represent an exact monetary figure which the government may include in any claim for cost recovery.

2.5 Other Command Staff

2.5.1 Safety Officer

OSC Morrison is the Safety Officer, with assistance from USCG AST and START. While ERRS contractors are working in the Exclusion Zone, AST personnel are conducting air monitoring to ensure worker safety. The AST is screening each drum with an UltraRae (Benzene) and MultiRae (VOC &CGI) to ensure personnel are not being exposed above the Threshold Limit Values (TLV) as determined, and outlined in the Health & Safety Plan (HASP). If elevated action levels are reached, AST personnel inform the OSC. It is at this point that a work stop order is issued and PPE level adjustments are made appropriately. To date the AST has detected high levels of VOC's and elevated readings of Benzene/PCE in the vicinity of the stacked drums. VOC's however, have not been detected on any of the perimeter air monitoring AreaRaes.

EPA Safety Office provided a Health and Safety Plan (HASP) review and conducted a site-safety audit on 10/07/2016.

2.5.2 Liaison Officer

OSC Morrison working with local officials.

2.5.3 Information Officer

OSC Morrison talked with neighboring residents before and during the removal.

A copy of the Administrative Record is available at Clearwater City Hall.

3. Participating Entities

3.1 Unified Command

Not Established for this removal action.

3.2 Cooperating Agencies

State of Minnesota, MPCA

Clearwater Fire Department,

Stearns County Sheriff's Office,

City of Clearwater Administration and Lynden Township

4. Personnel On Site

EPA: 2 OSCs

ERRS: RM, Foreman/Equipment operator & 3 laborers.

U.S. Coast Guard NSF: 2

START: 1

5. Definition of Terms

AST, Atlantic Strike Team

CERCLA, Comprehensive Environmental Response, Compensation and Liability Act of 1990

EPA, Environmental Protection Agency

ERRS, Emergency and Rapid Response Services

IAG, Interagency Agreement

MPCA, Minnesota Pollution Control Agency

NSF, National Strike Force

PCE, Tetrachloroethylene (perchloroethylene)

RM, Response Manager

START, Superfund Technical Assessment and Response Team

6. Additional sources of information

6.1 Internet location of additional information/report

WWW.EPAOSC.org/SolbergDrumSite

6.2 Reporting Schedule

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7. Situational Reference Materials

No information available at this time.